

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|---------------------|
| S1 | 37 | ("20020006765" "20030024909" "4562333" "5211805" "5254833" "5543365" "5622540" "5637244" "5656186" "5776220" "5826772" "6055829" "6211488" "6252197" "6257224" "6259058" "6322958" "6420678" "6489588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:19 |
| S2 | 148116 | laser\$1 with process\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:02 |
| S3 | 5911 | S2 and irradiat\$3 same object\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:33 |
| S5 | 662 | S3 and substrate\$1 same laminate\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:25 |
| S6 | 347067 | laser\$1 with light\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:04 |
| S7 | 662 | S5 and laser\$1 with light\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:04 |
| S8 | 568 | S5 and laser\$1 with light\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:04 |
| S9 | 28 | S8 and ((light with converging) or(light- converging)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:06 |
| S10 | 14 | S9 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/06 16:07 |

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|-----|--------|---|--|----|----|---------------------|
| S11 | 148273 | laser\$1 with process\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:08 |
| S12 | 65021 | S11 and (cut\$3 or separate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:08 |
| S14 | 5425 | S12 and power with density | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:10 |
| S15 | 1350 | S14 and pulse with width | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:10 |
| S16 | 681 | S15 and @Ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:05 |
| S17 | 97 | S16 and ((modified with region\$1) or (crack\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:13 |
| S20 | 67 | S17 and (distance) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/07 10:14 |
| S21 | 3 | "3,629,545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 21:24 |
| S22 | 37 | ("20020006765" "20030024909" "4562333" "5211805" "5254833" "5543365" "5622540" "5637244" "5656186" "5776220" "5826772" "6055829" "6211488" "6252197" "6257224" "6259058" "6322958" "6420678" "6489588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:25 |
| S23 | 2 | S22 and laminate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:26 |
| S24 | 948871 | laser\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:27 |

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|-----|--------|---|--|----|----|---------------------|
| S25 | 166763 | S24 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:27 |
| S26 | 37586 | S25 and irradiat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:28 |
| S27 | 1656 | S26 and laminate same substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:28 |
| S28 | 1477 | S27 and light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:32 |
| S29 | 30 | S28 and (light-converging or light adj converg\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:33 |
| S30 | 8 | S29 and @ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:32 |
| S31 | 684 | S27 and @ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:32 |
| S32 | 613 | S31 and light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:34 |
| S33 | 253 | S31 and laser adj light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/30 19:34 |
| S34 | 3 | "3,629,545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:14 |
| S35 | 3 | "3629545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:14 |
| S36 | 964689 | laser\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:33 |
| S37 | 295749 | S36 and substrate\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:34 |

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| S38 | 845 | S37 and (light-converging or light adj converging) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:35 |
| S39 | 223 | S38 and irradiating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:42 |
| S40 | 18 | S39 and power adj density | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:42 |
| S41 | 18 | S40 and pulse adj width | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:43 |
| S42 | 35163 | S37 and irradiating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:42 |
| S43 | 1866 | S42 and power adj density | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:43 |
| S44 | 533 | S43 and pulse adj width | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:43 |
| S45 | 510 | S44 and light\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:44 |
| S46 | 192 | S45 and @ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:47 |
| S47 | 27 | S46 and laminate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:49 |
| S48 | 10 | S47 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/03/30 21:50 |
| S49 | 3 | "3629545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:45 |

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| S50 | 37 | ("20020006765" "20030024909" "4562333" "5211805" "5254833" "5543365" "5622540" "5637244" "5656186" "5776220" "5826772" "6055829" "6211488" "6252197" "6257224" "6259058" "6322958" "6420678" "6489588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:49 |
| S51 | 7 | S50 and (Power adj density) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:49 |
| S52 | 2 | S51 and pulse adj width | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:49 |
| S53 | 967547 | laser\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:57 |
| S54 | 191185 | S53 and irradiat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:57 |
| S55 | 10031 | S54 and laminate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:58 |
| S56 | 130 | S55 and light adj converg \$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:58 |
| S57 | 31 | S56 and power adj density | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:59 |
| S58 | 12 | S57 and pulse adj width | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/14 17:59 |
| S59 | 3 | "3629545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/16 09:47 |
| S60 | 3 | "3629545".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/16 10:19 |

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| S61 | 4 | "3112850".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/16 10:19 |
| S62 | 3208494 | cut\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/30 14:22 |
| S64 | 34613 | S62 and laser adj light\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/30 14:23 |
| S65 | 980843 | laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:05 |
| S66 | 980887 | laser\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:05 |
| S67 | 652864 | S65 and @Ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 21:24 |
| S68 | 180863 | S67 and (substrate\$1 or wafer\$s) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:07 |
| S69 | 29736 | S68 and laminat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:07 |
| S70 | 5874 | S69 and laser adj light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 21:25 |
| S71 | 132 | S70 and ((light adj converg \$3)or (light-converg\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:11 |
| S72 | 74 | S71 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:11 |
| S73 | 401479 | irradia\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:24 |
| S74 | 15509 | laser adj process\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:25 |

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| S75 | 4800 | S74 and irradiat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:25 |
| S76 | 1486 | S75 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:25 |
| S77 | 29 | S76 and (lamine same dispos\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:27 |
| S78 | 340 | S76 and ((lamine same dispos\$3) or (oxide adj film)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 18:27 |
| S79 | 1160 | 438/460.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 21:24 |
| S82 | 105997 | S80 and laser adj light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/08 21:25 |
| S83 | 2 | "5211805".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:20 |
| S84 | 1163 | 438/460.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:43 |
| S85 | 493 | S84 and @Ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:43 |
| S86 | 19 | S85 and laser adj light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:48 |
| S87 | 11 | S86 and semiconductor adj substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 16:00 |
| S88 | 7 | S87 and insulat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 16:02 |
| S89 | 493 | S84 and @Ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:56 |

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| S90 | 983169 | laser\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:57 |
| S91 | 174907 | S90 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:57 |
| S92 | 39647 | S91 and irradiat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:57 |
| S93 | 1792 | S92 and laminate same substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:57 |
| S94 | 689 | S93 and @ad<"20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 15:57 |
| S95 | 64 | S94 and semiconductor adj substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 16:02 |
| S96 | 64 | S95 and cut\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 16:02 |
| S97 | 60 | S96 and insulat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/06/19 16:02 |
| S98 | 2 | "20020115235".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/15 17:09 |
| S100 | 2 | "20020115235".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 06:51 |
| S101 | 37 | ("20020006765" "20030024909" "4562333" "5211805" "5254833" "5543365" "5622540" "5637244" "5656186" "5776220" "5826772" "6055829" "6211488" "6252197" "6257224" "6259058" "6322958" "6420678" "6489588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:22 |

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| S102 | 0 | S101 and (insulat\$3 adj (substrate wafer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:22 |
| S103 | 0 | S101 and (insulat\$3 same (substrate wafer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:22 |
| S104 | 105828 | (insulat\$3 adj (substrate wafer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:23 |
| S105 | 458 | (insulat\$3 adj (substrate wafer)) same (cut\$3 dic\$3 divid\$3) same laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:23 |
| S106 | 279 | S105 and @ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:24 |
| S107 | 47394 | S106 ((etch\$ grind\$3) same (chemical adj etch \$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:43 |
| S108 | 11 | S106 and ((etch\$ grind\$3) same (chemical adj etch \$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 07:44 |
| S109 | 13 | S106 and (refractive same index) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:00 |
| S110 | 1 | 10/507321 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:40 |
| S111 | 0 | S106 and (substrate same (piezoelectric "LiTaO. sub.3")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:51 |
| S112 | 0 | S106 and ((substrate wafer) same (piezoelectric or "LiTaO.sub.3")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:52 |
| S113 | 45785 | ((substrate wafer) same (piezoelectric or "LiTaO. sub.3")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:53 |
| S114 | 25710 | S113 and @ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:53 |

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| S115 | 573 | S107 and S114 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:54 |
| S116 | 49 | S115 and (laser same cut \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 08:55 |
| S117 | 765 | 257/E21.237.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/08/16 09:57 |
| S118 | 1372 | 438/460.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 09:51 |
| S119 | 495 | S118 and @Ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 09:53 |
| S120 | 19 | S119 and laser adj light | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 09:54 |
| S121 | 1 | "10507392" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 10:08 |
| S122 | 189897 | laser\$1 with process\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 10:21 |
| S123 | 7778 | S122 and irradiat\$3 same object\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 10:21 |
| S124 | 943 | S123 and substrate\$1 same laminate\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 10:21 |
| S125 | 10 | S124 and (laser same (fracture or creak\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/23 11:18 |
| S126 | 1 | "10507392" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/03 07:23 |
| S127 | 9 | ("2003/0024909").URPN. | USPAT | OR | ON | 2009/12/03 08:24 |
| S128 | 9 | ("2003/0024909").URPN. | USPAT | OR | ON | 2009/12/03 08:24 |

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|------|-----|---|---------------------------|----|----|---------------------|
| S129 | 0 | ("7626137").URPN. | USPAT | OR | ON | 2009/12/03 08:24 |
| S130 | 0 | ("7626137").URPN. | USPAT | OR | ON | 2009/12/03 08:24 |
| S131 | 100 | ("20010029673" "20010035401" "20010046112" "20020006765" "20020096994" "20020115235" "20020158288" "20020170896" "20030010275" "20030024909" "20040002199" "20050173387" "20050181581" "20050184037" "20050189330" "20050194364" "20050202596" "20050272223" "20060011593" "20060040473" "20060121697" "20060148212" "20060160331" "20060255024" "20070125757" "20070158314" "20080090382" "3448510" "3610871" "3626141" "3629545" "3790051" "3790744" "3824678" "3970819" "4242152" "4306351" "4475027" "4531060" "4562333" "4650619" "4682003" "4769310" "4814575" "4899126" "4914815" "4981525" "5211805" "5230184" "5251003" "5254149" "5254833" "5304357" "5382770" "5543365" "5580473" "5609284" "5622540" "5637244" "5641416" "5656186" "5776220" "5786560" "5795795" "5814532" "5820953" "5826772" "5841543" "5925271" "5968382" "5976392" "6031201" "6055829" "6121118" "6127005" "6156030" "6175096" "6181728" "6187088" "6211488" "6252197" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/12/03 08:25 |

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|------|------|--|--|----|----|---------------------|
| | | "6257224" "6259058" "6285002" "6322958" "6325855" "6376797" "6407363" "6420678" "6489588" "6566683" "6653210" "6744009" "6770544" "6908784" "6992026" "7396742" "7547613" "7566635"). PN. | | | | |
| S132 | 5463 | (laser with (crack or fracture (micro near3 crack) or (micro near3 fracture))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/04 04:28 |
| S133 | 663 | (laser with (crack or fracture (micro near3 crack) or (micro near3 fracture))) same (front or back or rear or top or bottom) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/04 04:30 |
| S134 | 453 | (Cut\$3 divid\$3 engrav\$3 scratch\$3) and S133 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/04 04:31 |
| S135 | 156 | S134 and @Ad<"20030312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/04 04:31 |
| S136 | 2 | "6420678".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 05:39 |
| S137 | 924 | 257/E21.237.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:33 |
| S138 | 1453 | 438/460.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:34 |
| S139 | 2289 | S137 or S138 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:34 |
| S140 | 663 | (laser with (crack or fracture (micro near3 crack) or (micro near3 fracture))) same (front or back or rear or top or bottom) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:36 |
| S141 | 453 | (Cut\$3 divid\$3 engrav\$3 scratch\$3) and S140 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:36 |

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|------|-----|--|--|----|----|---------------------|
| S142 | 20 | S139 and S141 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:36 |
| S144 | 3 | "4306351".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:43 |
| S145 | 0 | "202108045".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:47 |
| S146 | 2 | "2002108045".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 06:47 |
| S147 | 29 | ((FUMITSUGU) near2 (FUKUYO)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/12/05 06:51 |
| S148 | 36 | ((KENSHI) near2 (FUKUMITSU)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/12/05 07:02 |
| S149 | 8 | ("5795795" "6187088" "6407363" "6744009"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 07:06 |
| S150 | 2 | "6951799".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 07:09 |
| S151 | 5 | "2007012757".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/05 07:11 |
| S152 | 2 | "6992026".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/16 14:50 |
| S153 | 2 | "7615721".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/16 15:15 |
| S154 | 665 | (laser with (crack or fracture (micro near3 crack) or (micro near3 fracture))) same (front or back or rear or top or bottom) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/17 17:39 |
| S155 | 113 | (Cut\$3 divid\$3 engrav\$3 scratch\$3) and S154 and @ad< "20020101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/17 17:39 |

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|------|-----|--|--|----|----|---------------------|
| S156 | 2 | "6420678".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 14:45 |
| S157 | 2 | "6420678".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/19 13:33 |
| S158 | 998 | (lamine near5 (glass adj substrate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/19 14:49 |
| S159 | 93 | (lamine near5 (glass adj substrate)) same laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/19 14:49 |
| S160 | 24 | S159 and @ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/19 14:50 |
| S161 | 585 | (glass adj substrate) near polymer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/19 15:06 |
| S162 | 2 | "20020115235".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 01:18 |
| S163 | 5 | "6,376,79".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 01:19 |
| S164 | 2 | "6,376,797".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 01:20 |
| S165 | 2 | 10/507321 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 02:47 |
| S166 | 2 | "4,899,126".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 04:50 |
| S167 | 85 | (laser adj cut\$4) same (grind\$3 and chemical near etch\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 04:55 |
| S168 | 24 | S167 and @ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 04:57 |

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| S169 | 2 | "6376797".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 05:17 |
| S170 | 42 | (laser adj cut\$4) same (substrate with piezoelectric) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 05:21 |
| S171 | 18 | S170 and @ad< "20020312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/21 05:22 |
| S172 | 2 | "6252197".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/01/13 12:48 |
| S173 | 1 | 10/537509 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/01/13 13:06 |
| S174 | 2 | "5882956".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/09/30 17:44 |
| S175 | 30 | ("4687693" "4793883" "5110388" "5118567" "5316853" "5411921" "5527998" "5692297" "5705016").PN. OR ("5882956").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 17:53 |
| S176 | 40 | ((FUMITSUGU) near2 (FUKUYO)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/05/06 21:06 |
| S177 | 1664 | 438/460.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2011/05/06 21:07 |
| S178 | 1018 | 257/E21.237.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2011/05/06 21:12 |
| S179 | 53 | ((KENSHI) near2 (FUKUMITSU)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/05/06 21:12 |
| S180 | 3343 | 438/460-463.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2011/05/06 21:16 |
| S181 | 4227 | S180 or S179 or S178 or S176 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2011/05/06 21:16 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-------------|------------------|---------|------------------|
| L1 | 2005 | 438/460-463.ccls. | USPAT; UPAD | OR | ON | 2011/05/07 08:09 |
| L2 | 475 | 257/E21.237.ccls. | USPAT; UPAD | OR | ON | 2011/05/07 08:09 |
| L3 | 2397 | l1 or l2 | USPAT; UPAD | OR | ON | 2011/05/07 08:09 |
| L7 | 11 | ((cut\$4 dic\$3 or Slic\$3 or divid\$3) same (laser same wavelength)) same ((grind \$3 or etch\$3)).clm. | USPAT; UPAD | OR | ON | 2011/05/07 08:14 |
| L8 | 593 | (cut\$4 dic\$3 or Slic\$3 or divid\$3) same (laser same wavelength).clm. | USPAT; UPAD | OR | ON | 2011/05/07 10:01 |
| L9 | 34 | l1 and l8 | USPAT; UPAD | OR | ON | 2011/05/07 10:01 |

5/ 7/ 2011 11:00:37 AM

C:\ Documents and Settings\ eullah\ My Documents\ EAST\ Workspaces\ 10537509a.wsp